



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Reeder et al.

Attorney Docket No.: STFUP152/S02-130

Application No.: 10/690,230

Examiner: Not yet assigned

Filed: October 20, 2003

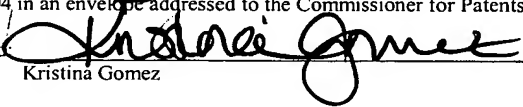
Group: 3737

Title: Magnetic Resonance Imaging of Different
Chemical Species in a System Having Magnetic
Field Heterogeneities

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on March 1, 2004 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed:


Kristina Gomez

INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

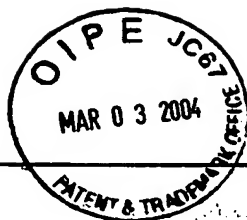
This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. STFUP152).

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP


Henry K. Woodward
Reg. No. 22,672

P.O. Box 778
Berkeley, CA 94704-0778



Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	STFUP152/S02-130	10/690,230
	Applicant:	
	REEDER et al.	
	Filing Date	Group
	October 20, 2003	3737

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
	A1						
	A2						

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No
	B1							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Reeder et al., "Rapid MR Imaging of Articular Cartilage with Steady-State Free Precession and Multipoint Fat-Water Separation," 2003, <i>American Journal of Radiology</i> , Vol. 180, pp. 357-362.
	C2	Reeder et al., "Rapid Cartilage Imaging with SSFP and Four-Point Dixon Techniques", 2002, <i>ISMRM</i> , Poster/Abstract.
	C3	Dixon, "Simple Proton Spectroscopic Imaging", 1984, <i>Radiology</i> , Vol. 153, pp. 189-194.
	C4	Glover, "Multipoint Dixon Technique for Water and Fat Proton and Susceptibility Imaging", 1991, <i>Journal of Magnetic Resonance Imaging</i> , Vol. 1, pp. 521-530.
	C5	Rybicki et al., "Fast Three-Point Dixon MR Imaging Using Low-Resolution Images for Phase Correction: A Comparison with Chemical Shift Selective Fat Suppression for Pediatric Musculoskeletal Imaging", 2001, <i>American Journal of Radiology</i> , Vol. 177, pp. 1019-1023.
	C6	Bredella et al., "Three-Point Dixon Chemical-Shift Imaging for Evaluating Articular Cartilage Defects in the Knee Joint on a Low-Field-Strength Open Magnet", 2001, <i>American Journal of Radiology</i> , Vol. 177, 1371-1375.
	C7	Xiang et al., "Water-Fat Imaging with Direct Phase Encoding", 1997, <i>Journal of Magnetic Resonance Imaging</i> , Vol. 7, pp. 1002-1015.
	C8	
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.